Python 2.6 Cheatsheet

Statements

import module
import module **as** alias
import module.member
from module **import** member, ..

print *expr, ..*

variable = *expr*
del *variable*

if *condition*:
suite ..
elif *condition*:
suite ..
else:
suite ..

for variable **in** *iterable*:
suite ..

while *condition*:
suite ..

break

continue

def a_function(*arg, ..*):
'''Docstring.'''
global variable
suite ..
return *expr*

class AClass(object):
'''Docstring.'''
suite
def __init__(self, arg, *..*):
suite ..

try:
suite ..
except *expr*, .. :
suite ..
finally:
suite ..

assert *expr*

raise *exception*

exec *expr*

pass

with *expr* **as** variable:
suite ..

def a_generator(*arg*, *..*):
'''Docstring.'''
suite ..
yield *expr*

Literals

42 1e6 3.14 1+3j 0x1F 0b10
'String' “string” '''docstring'''
r'Raw' b'Bytes' u'Unicode'
[] [*expr***, ..] () (***expr***, ..)**
{} {*expr***:** *expr***, .. }**

Operators

`*expr*`
x[i:j:k]
x[i] x[key]
x.attribute
x ** y
~*x*
+*x*, -*x*
* / %
+ -
<< >>
x & y
x ^ y
x | y
< <= > >=
<> != ==
x in iter
x not in iter
not *x*
and
or
lambda *x*, .. : *expr*
expr if *cond* else *expr*
[*x* **for** *x* **in** *iterable* **if** *cond*]
(*x* **for** *x* **in** *iterable* **if** *cond*)

Common attributes

__doc__	Doc string
__dict__	Module, class or instance namespace
__file__	pathname of module (if available)
__name__	module, class, or function name

Types

bool	**tuple**
buffer	**type**
complex	**dict**
float	**list**
int	**object**
long	**set**
str	**frozenset**
unicode	**slice**

None False True Ellipsis

Functions

abs	**input**
bin	**max min**
chr	**oct**
coerce	**open**
cmp	**ord**
dir	**pow**
divmod	**raw_input**
eval	**repr**
file	**round**
hash	**sum**
hex	**unichr**

Sequence functions

all	**next**
any	**range**
apply	**reduce**
enumerate	**reversed**
filter	**sorted**
iter	**xrange**
len	**zip**
map	

Introspection functions

callable	**isinstance**
classmethod	**issubclass**
compile	**locals**
delattr	**property**
execfile	**reload**
getattr	**setattr**
hasattr	**staticmethod**
globals	**super**
id	**vars**
intern	

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String methods

capitalize()
center(width[, fillchar])
count(sub[, start[, end]])
decode([encoding[, errors]])
encode([encoding[, errors]])
endswith(suffix[, start[, stop]])
expandtabs([tabsize])
find(sub[, start[, stop]])
format(format_string, *args, **kwargs)
index(sub[, start[, stop]])
isalnum()
isalpha()
isdecimal() †
isdigit()
islower()
isnumeric() †
isspace()
istitle()
isupper()
† Unicode only
join(seq)
ljust(width[, fillchar])
lower()
lstrip([chars])
partition(sep)
replace(old, new[, count])
rfind(sub[, start[, stop]])
rindex(sub[, start[, stop]])
rjust(width[, fillchar])
rpartition(sep)
rsplit(sep[, maxsplit])
rstrip([chars])
splitlines([keepends])
split(sep[, maxsplit])
startswith(suffix[, start[, stop]])
strip([chars])
swapcase()
title()
translate(table[, deletechars])
upper()
zfill(width)

String constants

ascii_letters **ascii_lowercase**
ascii_uppercase
digits **printable**
hexdigits **punctuation**
letters **uppercase**
lowercase **whitespace**
octdigits

Sequence methods

append(x) ‡
count(x)
extend(t) ‡
index(x)
insert(i, x) ‡
pop([i]) ‡
remove(x) ‡
reverse() ‡
sort([cmp[, key[, reverse]]]) ‡

‡ Lists/mutable sequences only

Dictionary methods

clear()
copy()
fromkeys(seq[, value])
get(key[, default])
has_key(key)
items()
iteritems()
iterkeys()
itervalues()
keys()
pop(key[, default])
popitem()
setdefault(key[, default)
update([other])
values()

File object methods

close()
closed
encoding
errors
fileno()
flush()
isatty()
mode
name
newlines
next()
read([size])
readinto
readline([size])
readlines([sizehint])
seek(offset[, whence])
softspace
tell()
truncate([size])
write(str)
writelines(seq)
xreadlines()

Set/Frozenset methods

add(elem) §
clear() §
copy()
difference(oth)
discard(elem) §
isdisjoint(oth)
issubset(oth)
issuperset(oth)
pop(elem) §
remove(elem) §
union(oth)
update(oth) §
intersection_update(oth) §
symmetric_difference(oth)
symmetric_difference_update(oth) §

§ Set type only

Useful modules

collections **os**
decimal **os.path**
datetime **string**
doctest **sys**
io **re**
math **time**

Exceptions

Exception **ArithmeticError**
AssertionError **AttributeError**
BaseException **EOFError**
EnvironmentError
FloatingPointError
GeneratorExit **IOError**
ImportError **IndentationError**
IndexError **KeyError**
KeyboardInterrupt
LookupError **MemoryError**
NameError **NotImplemented**
NotImplementedError
OSError **OverflowError**
ReferenceError **RuntimeError**
StandardError **StopIteration**
SyntaxError **SystemError**
SystemExit **TabError**
TypeError **UnboundLocalError**
UnicodeDecodeError
UnicodeEncodeError
UnicodeError
UnicodeTranslateError
ValueError **ZeroDivisionError**

Warnings

Warning **DeprecationWarning**
FutureWarning
ImportWarning
PendingDeprecationWarning
RuntimeWarning
SyntaxWarning
UnicodeWarning
UserWarning